L Number	Hits	Search Text	DB	Time stamp
1	2	("6610880").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/11 07:03
2	22	(("2567615") or ("3138627") or ("3190904") or ("3352926") or ("3435060") or ("3595898") or ("4219676") or ("5117047")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/11 07:56
3	267	((568/558) or (568/560)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/11 07:57
4	276329	anhydride	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/11 07:57
5	29	(((568/558) or (568/560)).CCLS.) and anhydride	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/11 08:42
6	127184	hydroperoxide or (hydrogen near2 peroxide)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/11 08:43
7	4375	anhydride same (hydroperoxide or (hydrogen near2 peroxide))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/11 08:44
8	2064203	oxide or hydroxide or phosphate or carbonate or bicarbonate or amine or pyridine	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/11 08:45
9	2021	(anhydride same (hydroperoxide or (hydrogen near2 peroxide))) same (oxide or hydroxide or phosphate or carbonate or bicarbonate or amine or pyridine)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/11 08:46
10	24132	peracid or (peroxycarboxylic near2 acid) or (peracetic near2 acid) or (peroxy near2 acid)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/11 08:47
11	983	((anhydride same (hydroperoxide or (hydrogen near2 peroxide))) same (oxide or hydroxide or phosphate or carbonate or bicarbonate or amine or pyridine)) and (peracid or (peroxycarboxylic near2 acid) or (peracetic near2 acid) or (peroxy near2 acid))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/11 08:48
12	738	((anhydride same (hydroperoxide or (hydrogen near2 peroxide))) same (oxide or hydroxide or phosphate or carbonate or bicarbonate or amine or pyridine)) same (peracid or (peroxycarboxylic near2 acid) or (peracetic near2 acid) or (peroxy near2 acid))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/11 08:49
13	718	(sodium or potassium) and (((anhydride same (hydroperoxide or (hydrogen near2 peroxide))) same (oxide or hydroxide or phosphate or carbonate or bicarbonate or amine or pyridine)) same (peracid or (peroxycarboxylic near2 acid) or (peracetic near2 acid) or (peroxy near2 acid)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/11 08:51
14	386172	(sodium or potassium) near2 (oxide or hydroxide or phosphate or carbonate or bicarbonate or amine or pyridine)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/11 08:52

15	621	((sodium or potassium) and (((anhydride same (hydroperoxide or (hydrogen near2 peroxide))) same (oxide or hydroxide or phosphate or carbonate or bicarbonate or amine or pyridine)) same (peracid or (peroxycarboxylic near2 acid) or (peracetic near2 acid) or (peroxy near2 acid)))) and ((sodium or potassium) near2 (oxide or hydroxide or phosphate or carbonate or bicarbonate or amine or pyridine))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/11 08:52

10/616,007

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NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	May 12	EXTEND option available in structure searching
NEWS 4	May 12	Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
NEWS 6	May 27	CAplus super roles and document types searchable in REGISTRY
NEWS 7	Jun 28	Additional enzyme-catalyzed reactions added to CASREACT
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NEWS 10	Jul 30	BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting
NEWS 11	AUG 02	IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
NEWS 12	AUG 02	CAplus and CA patent records enhanced with European and Japan Patent Office Classifications
NEWS 13	AUG 02	STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting
NEWS 14	AUG 02	The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available
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NEWS EXPRESS	JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
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NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

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* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:15:08 ON 11 AUG 2004

```
=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

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DICTIONARY FILE UPDATES:  10 AUG 2004  HIGHEST RN 725210-23-1

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end


=>
Uploading C:\Program Files\Stnexp\Queries\10606007.str
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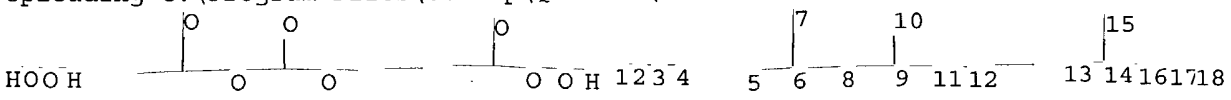


```
chain nodes :
1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18
chain bonds :
1-2  2-3  3-4  5-6  6-7  6-8  8-9  9-10  9-11  11-12  13-14  14-15  14-16  16-17
17-18
exact/norm bonds :
6-7  6-8  8-9  9-10  9-11  11-12  14-15  14-16
exact bonds :
1-2  2-3  3-4  5-6  13-14  16-17  17-18


Match level :
1:CLASS  2:CLASS  3:CLASS  4:CLASS  5:CLASS  6:CLASS  7:CLASS  8:CLASS  9:CLASS
10:CLASS  11:CLASS  12:CLASS  13:CLASS  14:CLASS  15:CLASS  16:CLASS  17:CLASS
18:CLASS
fragments assigned product role:
containing 13
fragments assigned reactant/reagent role:
containing 5
```

```
L1      STRUCTURE UPLOADED

=> que L1

L2   QUE L1

=> file reaction
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.42       0.63

FILE 'CASREACT' ENTERED AT 10:15:42 ON 11 AUG 2004
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=> s l2
SAMPLE SEARCH INITIATED 10:15:53 FILE 'CASREACT'
SCREENING COMPLETE -      0 REACTIONS TO VERIFY FROM      0 DOCUMENTS

100.0% DONE      0 VERIFIED       0 HIT RXNS                    0 DOCS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED VERIFICATIONS:         0 TO        0
PROJECTED ANSWERS:               0 TO        0

SAMPLE SEARCH INITIATED 10:15:54 FILE 'CHEMINFORMRX'
SCREENING COMPLETE -      0 REACTIONS TO VERIFY FROM      0 DOCUMENTS

100.0% DONE      0 VERIFIED       0 HIT RXNS                    0 DOCS
SEARCH TIME: 00.00.02

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED VERIFICATIONS:         0 TO        0
PROJECTED ANSWERS:               0 TO        0

FULL SEARCH INITIATED 10:15:57 FILE 'DJSMONLINE'
SCREENING COMPLETE -      0 REACTIONS TO VERIFY FROM      0 DOCUMENTS

100.0% DONE      0 VERIFIED       0 HIT RXNS                    0 DOCS
SEARCH TIME: 00.00.01

FULL SEARCH INITIATED 10:15:59 FILE 'PS'
SCREENING COMPLETE -      0 REACTIONS TO VERIFY FROM      0 DOCUMENTS

100.0% DONE      0 VERIFIED       0 HIT RXNS                    0 DOCS
SEARCH TIME: 00.00.01

L3           0 L2
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=> s l2 ful
FULL SEARCH INITIATED 10:16:04 FILE 'CASREACT'
SCREENING COMPLETE -      8 REACTIONS TO VERIFY FROM      3 DOCUMENTS

100.0% DONE      8 VERIFIED       0 HIT RXNS                    0 DOCS
SEARCH TIME: 00.00.01

FULL SEARCH INITIATED 10:16:05 FILE 'CHEMINFORMRX'
SCREENING COMPLETE -      1 REACTIONS TO VERIFY FROM      1 DOCUMENTS

100.0% DONE      1 VERIFIED       0 HIT RXNS                    0 DOCS
SEARCH TIME: 00.00.04

FULL SEARCH INITIATED 10:16:11 FILE 'DJSMONLINE'
SCREENING COMPLETE -      0 REACTIONS TO VERIFY FROM      0 DOCUMENTS

100.0% DONE      0 VERIFIED       0 HIT RXNS                    0 DOCS
SEARCH TIME: 00.00.01

FULL SEARCH INITIATED 10:16:12 FILE 'PS'
SCREENING COMPLETE -      0 REACTIONS TO VERIFY FROM      0 DOCUMENTS

100.0% DONE      0 VERIFIED       0 HIT RXNS                    0 DOCS
SEARCH TIME: 00.00.01

L4            0 L2

=> file stnguide
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                              327.11     327.74

FILE 'STNGUIDE' ENTERED AT 10:16:38 ON 11 AUG 2004
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Aug  6, 2004 (20040806/UP).

=> file reg
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                                0.48     328.22

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DICTIONARY FILE UPDATES:  10 AUG 2004  HIGHEST RN 725210-23-1

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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```

10/616,007

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http://www.cas.org/ONLINE/DBSS/registryss.html

=> s hydrogen peroxide/cn
L5 1 HYDROGEN PEROXIDE/CN

=> d

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
RN 7722-84-1 REGISTRY
CN Hydrogen peroxide (H2O2) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Hydrogen peroxide (8CI)
OTHER NAMES:
CN Adeka Super EL
CN Albone
CN Albone 35
CN Albone DS
CN Anti-Keim 50
CN Asepticper
CN Baquashock
CN CIX
CN Crestal Whitestrips
CN Crystacide
CN Dentasept
CN Hioxyl
CN Hipox
CN Hybrite
CN Hydrogen dioxide
CN Inhibine
CN Lensan A
CN Metrokur
CN Mirasept
CN NSC 19892
CN Odosat D
CN Oxigenal
CN Oxydol
CN Oxyfull
CN Oxysept
CN Oxysept I
CN Pegasyl
CN Perhydrol
CN Perone
CN Peroxaan
CN Peroxclean
CN Select Bleach
CN Superoxol
CN T-Stuff
FS 3D CONCORD
DR 8007-30-5, 66554-50-5, 37355-84-3, 218625-72-0
MF H2 O2
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, PS, RTECS*,

TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VETU, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent; Preprint; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

HO—OH

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

82245 REFERENCES IN FILE CA (1907 TO DATE)
648 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
82409 REFERENCES IN FILE CAPLUS (1907 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus uspatful caold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.46	335.68

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=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.23	337.91

FILE 'REGISTRY' ENTERED AT 10:23:41 ON 11 AUG 2004

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STRUCTURE FILE UPDATES: 10 AUG 2004 HIGHEST RN 725210-23-1
DICTIONARY FILE UPDATES: 10 AUG 2004 HIGHEST RN 725210-23-1

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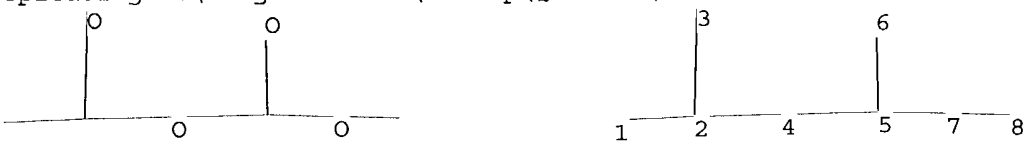
http://www.cas.org/ONLINE/DBSS/registryss.html

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>
Uploading C:\Program Files\Stnexp\Queries\10616007a.str



chain nodes :
1 2 3 4 5 6 7 8
chain bonds :
1-2 2-3 2-4 4-5 5-6 5-7 7-8
exact/norm bonds :
2-3 2-4 4-5 5-6 5-7 7-8
exact bonds :
1-2

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS

L6 STRUCTURE UPLOADED

=> que L6

L7 QUE L6

=> s l7 ful
FULL SEARCH INITIATED 10:23:58 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 8518 TO ITERATE

100.0% PROCESSED 8518 ITERATIONS 937 ANSWERS

10/616,007

SEARCH TIME: 00.00.01

L8 937 SEA SSS FUL L6

=> file caplus uspatful caold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	155.42	493.33

FILE 'CAPLUS' ENTERED AT 10:24:11 ON 11 AUG 2004
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=> s l8
L9 1078 L8

=> s l9 and 7722-84-1
L10 3 L9 AND 7722-84-1

=> dup rem l10
DUPLICATE IS NOT AVAILABLE IN 'CAOLD'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L10
L11 3 DUP REM L10 (0 DUPLICATES REMOVED)

=> d 1-3 bib ab fhitstr

L11 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:283922 CAPLUS
DN 134:295413
TI Process for preparing peroxides using mixed anhydrides
IN Overkamp, Johannes Willibrordus Antonius; Tammer, Marinus Catharinus; De Vries, Bernhard; Bovenkamp-Bouwman, Anne Gerdine
PA Akzo Nobel N.V., Neth.
SO PCT Int. Appl., 40 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001027078	A1	20010419	WO 2000-EP9927	20001009
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1220837	A1	20020710	EP 2000-966146	20001009
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

IE, SI, LT, LV, FI, RO, MK, CY, AL

	JP 2003511440	T2	20030325	JP 2001-530099	20001009
	US 6610880	B1	20030826	US 2000-686785	20001011
	US 2004049070	A1	20040311	US 2003-616007	20030709
PRAI	EP 1999-203364	A	19991013		
	US 1999-171409P	P	19991221		
	WO 2000-EP9927	W	20001009		
	US 2000-686785	A3	20001011		

OS CASREACT 134:295413; MARPAT 134:295413

AB The preparation of a peracid, perester, or diacyl peroxide is achieved by the reaction of a mixed anhydride R1[C(O)OC(O)OR2]n or [R3C(O)OC(O)O]pR4 with a hydroperoxide R5[OOH]m in the presence of a base [R1 = mono-, di-, tri- or tetravalent (un)substituted C1-19 hydrocarbyl; n = 1-4; R2 = (un)substituted C1-20 hydrocarbonyl; R3 = (un)substituted C1-19 hydrocarby; R4 = di-, tri- or tetravalent (un)substituted C1-20 hydrocarbyl; p = 2-4; R5 = H, mono- or divalent (un)substituted C3-18 tertiary-alkyl, (un)substituted C2-20 acyl; m = 1, 2; if R5 = H, then m = 1] and provided that if the hydroperoxide is an α,α-dihydroperoxyperoxide, the reaction is not carried out in an inert two-phase solvent system comprising a polar solvent and an polar solvent. Thus, 6-hexanolactone was reacted with aqueous NaOH, N-methylmorpholine added, iso-Pr chloroformate added, and 70% aqueous H2O2 added, producing di(6-hydroxyhexanoyl) peroxide in 68% yield.

IT 7722-84-1, Hydrogen peroxide, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(process for preparing peroxides using mixed anhydrides)

RN 7722-84-1 CAPLUS

CN Hydrogen peroxide (H2O2) (9CI) (CA INDEX NAME)

HO—OH

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1982:158744 CAPLUS

DN 96:158744

TI Studies on the metabolism of unsaturated fatty acids. V. Isomerization of thiol esters of cis-2-alkenoic acids during their preparation and alkaline hydrolysis

AU Mizugaki, Michinao; Ito, Yoko; Hoshino, Toshiaki; Shiraishi, Takayuki; Yamanaka, Hiroshi

CS Pharm. Inst., Tohoku Univ., Sendai, 980, Japan

SO Chemical & Pharmaceutical Bulletin (1982), 30(1), 206-13
CODEN: CPBTAL; ISSN: 0009-2363

DT Journal

LA English

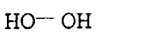
AB N-Acetylcysteamine and CoA esters of cis-2-alkenoic acids underwent isomerization to the corresponding trans-isomers during their preparation by the mixed anhydride method and also during their alkaline hydrolysis. The isomerization might proceed by interaction of the free SH group and the cis-double bond of 2-alkenoic thiol esters. The use of pyridine as a base and ≥3 equiv of the mixed anhydride to the thiol compound prevented the formation of the trans-isomer. Addition of H2O2 during alkaline hydrolysis also prevented the isomerization completely.

IT 7722-84-1, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(in alkaline hydrolysis of octenoyl-acetylcysteamine and octenoyl-CoA cis isomers, prevention of isomerization in relation to)

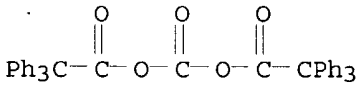
RN 7722-84-1 CAPLUS

10/616,007

CN Hydrogen peroxide (H2O2) (9CI) (CA INDEX NAME)



L11 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1967:411024 CAPLUS
DN 67:11024
TI Chemiluminescent reactions of tetracyanoethylene and trichloroacetyl chloride with hydrogen peroxide: suggested mechanistic relation
AU Bollyky, Laszlo J.; Whitman, R. H.; Clarke, Rose Ann; Rauhut, Michael M.
CS Central Res. Div., American Cyanamid Co., Stamford, CT, USA
SO Journal of Organic Chemistry (1967), 32(5), 1663-6
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English
AB Tetracyanoethylene (I), tetracyanoethylene oxide, CO(CN)2 (II), and Cl3CCOCl (III) give chemiluminescent light when treated with alkaline H2O2 in the presence of fluorescers. I gives a mixture containing cyanates, carbonates, and bicarbonates. It is proposed that II is an intermediate in the reaction of I; mechanisms for the reactions of II and III are presented.
IT 10075-58-8
RL: PRP (Properties)
(reaction with hydrogen peroxide, chemiluminescence and)
RN 10075-58-8 CAPLUS
CN Carbonic acid, dianhydride with triphenylacetic acid (8CI) (CA INDEX NAME)



=> file chemistry patent
FILE 'ENCOMPLIT' ACCESS NOT AUTHORIZED
FILE 'ENCOMPLIT2' ACCESS NOT AUTHORIZED
FILE 'ENCOMPPAT' ACCESS NOT AUTHORIZED
FILE 'ENCOMPPAT2' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	41.32	534.65

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.21	-2.21

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10/616,007

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=> s (7722-84-1 or hydrogen peroxide) and mixed anhydride
  28 FILES SEARCHED...
  53 FILES SEARCHED...
  67 FILES SEARCHED...
L12   2435 (7722-84-1 OR HYDROGEN PEROXIDE) AND MIXED ANHYDRIDE

=> s (7722-84-1 or hydrogen peroxide) (10a) mixed anhydride
  40 FILES SEARCHED...
  67 FILES SEARCHED...
L13   6 (7722-84-1 OR HYDROGEN PEROXIDE) (10A) MIXED ANHYDRIDE

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=> dup rem l13
DUPLICATE IS NOT AVAILABLE IN 'AQUIRE, BIOCOMMERCE, CAOLD, FEDRIP, GENBANK,
INVESTEXT, KOSMET, RDISCLOSURE, STANDARDS, USAN, DGENE, DPCI, LITALERT,
PCTGEN, PROUSDDR, SYNTHLINE'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L13
L14            5 DUP REM L13 (1 DUPLICATE REMOVED)

=> d 1-5 bib ab

L14  ANSWER 1 OF 5  USPATFULL on STN
AN      85:28341  USPATFULL
TI      Synthesis of thymosin α.sub.1
IN      Felix, Arthur M., West Caldwell, NJ, United States
        Gillessen, Dieter, Pratteln, Switzerland
        Lergier, William, Kaiseraugst, Switzerland
        Meienhofer, Johannes A., Upper Montclair, NJ, United States
        Trzeciak, Arnold, Schopfheim, Germany, Federal Republic of
PA      Hoffmann-La Roche Inc., Nutley, NJ, United States (U.S. corporation)
PI      US 4517119              19850514
AI      US 1983-482113          19830404 (6)
DT      Utility
FS      Granted
EXNAM   Primary Examiner: Phillips, Delbert R.; Assistant Examiner: Moezie, F.
        T.
LREP    Saxe, Jon S., Leon, Bernard S., Gould, George M.
CLMN    Number of Claims: 2
ECL     Exemplary Claim: 1
DRWN    7 Drawing Figure(s); 6 Drawing Page(s)
LN.CNT 1242
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB      An improved solution phase synthesis of thymosin α.sub.1 and
        proceeding through novel intermediates is disclosed.

L14  ANSWER 2 OF 5  USPATFULL on STN
AN      85:14702  USPATFULL
TI      Synthesis of thymosin α.sub.1 and desacetyl thymosin α.sub.1
IN      Felix, Arthur M., West Caldwell, NJ, United States
        Gillessen, Dieter, Pratteln, Switzerland
        Studer, Rolf, Bottmingen, Switzerland
        Meienhofer, Johannes A., Upper Montclair, NJ, United States
        Trzeciak, Arnold, Schopfheim, Germany, Federal Republic of
PA      Hoffman-La Roche Inc., Nutley, NJ, United States (U.S. corporation)
PI      US 4504415              19850312
AI      US 1983-482114          19830404 (6)
DT      Utility
FS      Granted
EXNAM   Primary Examiner: Phillips, Delbert R.; Assistant Examiner: Moezic, F.
        T.
LREP    Saxe, Jon S., Leon, Bernard S., Gould, George M.
CLMN    Number of Claims: 5
ECL     Exemplary Claim: 1,2
DRWN    8 Drawing Figure(s); 8 Drawing Page(s)
LN.CNT 1434
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB      An improved solution phase synthesis of thymosin α.sub.1 and
        desacetyl thymosin α.sub.1 with t-Boc side chain protection and
        proceeding through novel intermediates is disclosed.

L14     ANSWER 3 OF 5     NTIS COPYRIGHT 2004 NTIS on STN
AN      1976(36):09592   NTIS Order Number: PB-249 968/9/XAB
TI      Process for the Preparation of Peroxy Acids. Patent.
```

10/616,007

IN Silbert, L. S.; Konen, D. A.
PA Department of Agriculture, Washington, D.C. (108800)
NR PB-249 968/9/XAB; PAT-APPL-88 490, PATENT-3 819 688
3p; Filed 10 Nov 70, patented 25 Jun 74
PI US 3819688 19740625
AI US 1970-88490 19701110
DT Patent
CY United States
LA English
NTE Supersedes PAT-APPL-88 490.
AV Government-owned invention available for licensing. Copy of patent available Commissioner of Patents, Washington, D.C. 20231 $0.50.
NTIS Prices: Not available NTIS
OS GRA&I7610
AB Peroxy acids are prepared by perhydrolysis with highly concentrated hydrogen peroxide of a mixed
anhydride of an appropriate carboxylic acid such as a diethyl phosphoric-carboxylic acid anhydride. Although perhydrolysis is usually effected by catalysis with methanesulfonic acid, catalysis was not required in at least one case. Both aliphatic and aromatic peroxy acids containing either electron-donating or electron-accepting groups can be prepared indicating that the process of the invention is general in scope and is utilizable with compounds having a broad range of carbon chain lengths. Yields of peroxy acids above 70% are easily obtained.

L14 ANSWER 4 OF 5 IFIPAT COPYRIGHT 2004 IFI on STN DUPLICATE 1
AN 00884426 IFIPAT;IFIUDB;IFICDB
TI PHOSPHORIC-CARBOXYLIC ACID ANHYDRIDES; CHEMICAL INTERMEDIATES FOR PEROXY ACIDS
INF Konen, Dolores A, Philadelphia, PA
Silbert, Leonard S, Philadelphia, PA
IN KONEN D; SILBERT L
PAF The United States of America as represented by the Secretary of Agriculture, Washington, DC
PA U S OF AMERICA NASA ADMINISTRATOR OF (86504)
EXNAM Sutto, Anton H
PI US 3835203 A 19740910 (CITED IN 001 LATER PATENTS)
AI US 1972-267315 19720629
XPD 10 Sep 1991
RLI US 1970-88490 19701110 DIVISION
FI US 3835203 19740910
DT Utility
FS CHEMICAL
GRANTED
OS CA 81:151808
CLMN 6
AB Peroxy acids are prepared by perhydrolysis with highly concentrated hydrogen peroxide of a mixed
anhydride of an appropriate carboxylic acid such as a diethyl phosphoriccarboxylic acid anhydride. Although perhydrolysis is usually effected by catalysis with methanesulfonic acid, catalysis was not required in at least one case. Both aliphatic and aromatic peroxy acids containing either electron-donating or electronaccepting groups can be prepared indicating that the process of the invention is general in scope and is utilizable with compounds having a broad range of carbon chain lengths. Yields of peroxy acids above 70 percent are easily obtained.

L14 ANSWER 5 OF 5 IFIPAT COPYRIGHT 2004 IFI on STN
AN 00868780 IFIPAT;IFIUDB;IFICDB
TI PROCESS FOR THE PREPARATION OF PEROXY ACIDS
IN KONEN D; SILBERT L
PA U S OF AMERICA AGRICULTURE SECRETARY OF (86512)

10/616,007

PI US 3819688 A 19740625 (CITED IN 004 LATER PATENTS)
AI US 1970-88490 19701110
XPD 25 Jun 1991
FI US 3819688 19740625
DT Utility
FS CHEMICAL
GRANTED
OS CA 81:77681
AB PEROXY ACIDS ARE PREPARED BY THE PERHYDROLYSIS WITH HIGHLY CONCENTRATED HYDROGEN PEROXIDE OF A MIXED
ANHYDRIDE OF AN APPOIPRIATE CARBOXYLIC ACID SUCH AS A DIETHYL PHOSPHORIC-CARBOXYLIC ACID ANHYDRIDE. ALTHOUGH PERHYDROLYSISIS USUALLY EFFECTED BY CATALYSIS WITH METHANESULFONIC ACID, CATALYSIS WAS NOT REQUIRED IN AT LEAST ONE CASE. BOTH ALIPHATIC AND AROMATIC PEROXY ACIDS CONTAINING EITHER ELECTRON-DONATING OR ELECTRON-ACCEPTING GROUPS CAN BE PREPARED INDICATING THAT THE PROCESS OF THE INVENTION IS GENERAL IN SCOPE AND IS UTILIZABLE WITH COMPOUNDS HAVING BROAD RANGE OF CARBON CHAIN LENGTHS. YIELDS OF PEROXY ACIDS ABOVE 70% ARE EASILY OBTAINED.

=> d his

(FILE 'HOME' ENTERED AT 10:15:08 ON 11 AUG 2004)

FILE 'REGISTRY' ENTERED AT 10:15:20 ON 11 AUG 2004
L1 STRUCTURE UPLOADED
L2 QUE L1

FILE 'CASREACT, CHEMINFORMRX, DJSMONLINE, PS' ENTERED AT 10:15:42 ON 11 AUG 2004
L3 0 S L2
L4 0 S L2

FILE 'STNGUIDE' ENTERED AT 10:16:38 ON 11 AUG 2004

FILE 'REGISTRY' ENTERED AT 10:21:27 ON 11 AUG 2004
L5 1 S HYDROGEN PEROXIDE/CN

FILE 'CAPLUS, USPATFULL, CAOLD' ENTERED AT 10:23:20 ON 11 AUG 2004

FILE 'REGISTRY' ENTERED AT 10:23:41 ON 11 AUG 2004
L6 STRUCTURE UPLOADED
L7 QUE L6
L8 937 S L7 FUL

FILE 'CAPLUS, USPATFULL, CAOLD' ENTERED AT 10:24:11 ON 11 AUG 2004
L9 1078 S L8
L10 3 S L9 AND 7722-84-1
L11 3 DUP REM L10 (0 DUPLICATES REMOVED)

FILE 'AGRICOLA, ALUMINIUM, ANABSTR, APOLLIT, AQUALINE, AQUIRE, BABS, BIOCOMMERCE, BIOTECHNO, CABA, CAOLD, CAPLUS, CBNB, CEABA-VTB, CEN, CERAB, CIN, COMPENDEX, CONFSCI, COPPERLIT, CORROSION, DISSABS, FEDRIP, GENBANK, INSPEC, INSPHYS, INVESTEXT, IPA, ...' ENTERED AT 10:28:05 ON 11 AUG 2004
L12 2435 S (7722-84-1 OR HYDROGEN PEROXIDE) AND MIXED ANHYDRIDE
L13 6 S (7722-84-1 OR HYDROGEN PEROXIDE) (10A) MIXED ANHYDRIDE
L14 5 DUP REM L13 (1 DUPLICATE REMOVED)

=> s l12 and (peracetic acid or peroxy acid or percarboxylic acid or peracid) and (base or carbonate or hydroxide or phosphate or bicarbonate or amine or pyridine or oxide)
14 FILES SEARCHED...

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  31 FILES SEARCHED...
  40 FILES SEARCHED...
  51 FILES SEARCHED...
  58 FILES SEARCHED...
  65 FILES SEARCHED...
  72 FILES SEARCHED...
  75 FILES SEARCHED...
L15         627 L12 AND (PERACETIC ACID OR PEROXY ACID OR PERCARBOXYLIC ACID
                OR PERACID) AND (BASE OR CARBONATE OR HYDROXIDE OR PHOSPHATE OR
                BICARBONATE OR AMINE OR PYRIDINE OR OXIDE)

=> s (peracetic acid or peroxy acid or percarboxylic acid or peracid)/ti
'TI' IS NOT A VALID FIELD CODE
  14 FILES SEARCHED...
  34 FILES SEARCHED...
NUMERIC VALUE NOT VALID 'PERACETIC ACID'
NUMERIC VALUE NOT VALID 'PEROXY ACID'
NUMERIC VALUE NOT VALID 'PERCARBOXYLIC ACID'
NUMERIC VALUE NOT VALID 'PERACID'
  52 FILES SEARCHED...
  65 FILES SEARCHED...
'TI' IS NOT A VALID FIELD CODE
L16        7432 (PERACETIC ACID OR PEROXY ACID OR PERCARBOXYLIC ACID OR PERACID)
                /TI

=> s l15 and l16
  37 FILES SEARCHED...
  59 FILES SEARCHED...
L17           7 L15 AND L16

=> dup rem l17
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INVESTEXT, KOSMET, RDISCLOSURE, STANDARDS, USAN, DGENE, DPCI, LITALERT,
PCTGEN, PROUSDDR, SYNTHLINE'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L17
L18           7 DUP REM L17 (0 DUPLICATES REMOVED)

=> d 1-7 bib ab

L18  ANSWER 1 OF 7  USPATFULL on STN
AN     1998:1385  USPATFULL
TI     Alkoxylated peracid activators
IN     Steichen, Dale S., Danbury, CT, United States
       Wiersema, Richard J., Idaho Falls, ID, United States
PA     The Clorox Company, Oakland, CA, United States (U.S. corporation)
PI     US 5705091              19980106
AI     US 1995-526705          19950911 (8)
DT     Utility
FS     Granted
EXNAM  Primary Examiner: Anthony, Joseph D.
LREP   Majestic, Parsons, Siebert & Hsue
CLMN   Number of Claims: 5
ECL    Exemplary Claim: 1
DRWN   No Drawings
LN.CNT 659
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB     Bleaching compositions are provided that comprise peracid
       activators. The peracid activators are ester derivatives of a
       carboxylic acid where the oxygen is covalently bound through a
       polyhydroxy linking group to a leaving group that is displaceable in a
       peroxygen bleaching solution by perhydroxide anion. When the
```

peracid activator is combined with a source of peroxygen in aqueous solution, then a stain removing peracid is formed. One embodiment of the peracid activator has the structure ##STR1## where R' is a branched or linear C.sub.4-12 alkyl, n is 1 to about 7, and L is a leaving group.

L18 ANSWER 2 OF 7 USPATFULL on STN
AN 96:72992 USPATFULL
TI Polyglycolate peracid precursors
IN Rowland, Richard R., Danville, CA, United States
Fong, Ronald A., Modesto, CA, United States
Wiersema, Richard J., Tracy, CA, United States
Zielske, Alfred G., Pleasanton, CA, United States
PA The Clorox Company, Oakland, CA, United States (U.S. corporation)
PI US 5545748 19960813
AI US 1994-325050 19941018 (8)
RLI Division of Ser. No. US 1992-951238, filed on 25 Sep 1992, now patented, Pat. No. US 5391812 which is a division of Ser. No. US 1989-329982, filed on 29 Mar 1989, now patented, Pat. No. US 5182045, issued on 26 Jan 1993
DT Utility
FS Granted
EXNAM Primary Examiner: Gibson, Sharon A.; Assistant Examiner: Anthony, Joseph D.
LREP Majestic, Parsons, Siebert & Hsue
CLMN Number of Claims: 2
ECL Exemplary Claim: 1
DRWN 5 Drawing Figure(s); 5 Drawing Page(s)
LN.CNT 910
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Polyglycolate compounds are provided having the general structure: ##STR1## wherein n is an integer from 2 to about 10; R is C.sub.1-20 linear or branched alkyl, alkoxylated alkyl, cycloalkyl, aryl, alkylaryl, substituted aryl; R' and R" are independently H, C.sub.1-20 alkyl, aryl, C.sub.1-20 alkylaryl, substituted aryl, and NR.sub.3.sup.α+, wherein R.sup.α is C.sub.1-30 alkyl; and L is a leaving group displaceable in a peroxygen bleaching solution by perhydroxide anion. When this compound is combined with a source of peroxgen in aqueous solution, then a plurality of stain removing peracids are formed. Such peracids are formed substantially sequentially beginning with the carbonyl adjacent to the leaving group L. Thus, a first stain removing peracid having the structure ##STR2## will be formed in amounts approaching quantitative yield.

L18 ANSWER 3 OF 7 EUROPATFULL COPYRIGHT 2004 WILA on STN

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 390393 EUROPATFULL ED 20000903 EW 199040 FS OS STA B
TIEN Polyglycolate peracid precursors and compositions containing them.
TIDE Polyglykolat-Persaeurevorlaeufer und diese enthaltende Waschmittelzusammensetzungen.
TIFR Polyglycolates precurseurs de peracides et compositions les contenant.
IN Rowland, Richard R., 106 Plaza Circle, Danville, CA 94526, US;
Wiersema, Richard J., 200 Bervedor Avenue, Tracy, CA 95376, US;
Fong, Ronald A., 513 Avanel Drive, Modesto, CA 95356, US;
Zielske, Alfred G., 2282 Via Espada, Pleasanton, CA 94566, US
PA The Clorox Company, 1221 Broadway, Oakland California 94612, US
PAN 283600
AG Smith, Sydney et al, Elkington and Fife Beacon House 113 Kingsway, London WC2B 6PP, GB

AGN 36071
OS ESP1990046 EP 0390393 A2 901003
SO Wila-EPZ-1990-H40-T1
DT Patent
LA Anmeldung in Englisch; Veroeffentlichung in Englisch
DS R AT; R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R IT; R LI; R NL; R SE
PIT EPA2 EUROPAEISCHE PATENTANMELDUNG
PI EP 390393 A2 19901003
OD 19901003
AI EP 1990-302949 19900319
PRAI US 1989-329982 19890329

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

AN 390393 EUROPATFULL UP 20010720 EW 199519 FS PS STA B
TIEN Polyglycolate peracid precursors and compositions containing them.
TIDE Polyglykolat-Persaeurevorlaeufer und diese enthaltende Waschmittelzusammensetzungen.
TIFR Polyglycolates precurseurs de peracides et compositions les contenant.
IN Rowland, Richard R., 106 Plaza Circle, Danville, CA 94526, US;
Wiersema, Richard J., 200 Bervedor Avenue, Tracy, CA 95376, US;
Fong, Ronald A., 513 Avanel Drive, Modesto, CA 95356, US;
Zielske, Alfred G., 2282 Via Espada, Pleasanton, CA 94566, US
PA The Clorox Company, 1221 Broadway, Oakland California 94612, US
PAN 283600
AG Smith, Sydney et al, Elkington and Fife Prospect House 8 Pembroke Road, Sevenoaks, Kent TN13 1XR, GB
AGN 36071
OS EPB1995036 EP 0390393 B1 950510
SO Wila-EPS-1995-H19-T1
DT Patent
LA Anmeldung in Englisch; Veroeffentlichung in Englisch
DS R AT; R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R IT; R LI; R NL; R SE
PIT EPB1 EUROPAEISCHE PATENTSCHRIFT
PI EP 390393 B1 19950510
OD 19901003
AI EP 1990-302949 19900319
PRAI US 1989-329982 19890329
REP EP 267047 A FR 2272170 A
ABEN Polyglycolate compounds are provided having the general structure: <image> wherein n is an integer from 2 to about 10; R is C.sub1..submin..sub2..sub0. linear or branched alkyl, alkoxylated alkyl, cycloalkyl, aryl, alkylaryl, substituted aryl; R.min. and R.sec. are independently H, C.sub1..submin..sub2..sub0. alkyl, aryl, C.sub1..submin..sub2..sub0. alkylaryl, substituted aryl, and NR.sub3..supα+., wherein R.supα. is C.sub1..submin..sub3..sub0. alkyl; and L is a leaving group displaceable in a peroxygen bleaching solution by perhydroxide anion. When this compound is combined with a source of peroxygen in aqueous solution, then a plurality of stain removing peracids are formed. Such peracids are formed substantially sequentially beginning with the carbonyl adjacent to the leaving group L. Thus, a first stain removing peracid having the structure <image> will be formed in amounts approaching quantitative yield.

L18 ANSWER 4 OF 7 USPATFULL on STN
AN 95:16259 USPATFULL
TI Polyglycolate peracid precursors

10/616,007

IN Rowland, Richard R., Danville, CA, United States
Fong, Ronald A., Modesto, CA, United States
Wiersema, Richard J., Tracy, CA, United States
Zielske, Alfred G., Pleasanton, CA, United States
PA The Clorox Company, Oakland, CA, United States (U.S. corporation)
PI US 5391812 19950221
AI US 1992-951238 19920925 (7)
RLI Division of Ser. No. US 1989-329982, filed on 29 Mar 1989, now patented, Pat. No. US 5182045
DT Utility
FS Granted
EXNAM Primary Examiner: Stoll, Robert L.; Assistant Examiner: Anthony, Joseph D.
LREP Majestic, Parsons, Siebert & Hsue
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 5 Drawing Figure(s); 5 Drawing Page(s)
LN.CNT 960
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Polyglycolate compounds are provided having the general structure: ##STR1## wherein n is an integer from 2 to about 10; R is C.sub.1-20 linear or branched alkyl, alkoxylated alkyl, cycloalkyl, aryl, alkylaryl, substituted aryl; R' and R" are independently H, C.sub.1-20 alkyl, aryl, C.sub.1-20 alkylaryl, substituted aryl, and NR.sub.3.sup.α+, wherein R.sup.α is C.sub.1-30 alkyl; and L is a leaving group displaceable in a peroxygen bleaching solution by perhydroxide anion. When this compound is combined with a source of peroxygen in aqueous solution, then a plurality of stain removing peracids are formed. Such peracids are formed substantially sequentially beginning with the carbonyl adjacent to the leaving group L. Thus, a first stain removing peracid having the structure ##STR2## will be formed in amounts approaching quantitative yield.

L18 ANSWER 5 OF 7 USPATFULL on STN
AN 93:6879 USPATFULL
TI Late peracid precursors
IN Rowland, Richard R., Danville, CA, United States
Fong, Ronald A., Modesto, CA, United States
Wiersema, Richard J., Tracy, CA, United States
Zielske, Alfred G., Pleasanton, CA, United States
PA The Clorox Company, Oakland, CA, United States (U.S. corporation)
PI US 5182045 19930126
AI US 1989-329982 19890329 (7)
DCD 20051018
DT Utility
FS Granted
EXNAM Primary Examiner: Stoll, Robert L.; Assistant Examiner: Anthony, Joseph D.
LREP Majestic, Parsons, Siebert & Hsue
CLMN Number of Claims: 14
ECL Exemplary Claim: 1
DRWN 5 Drawing Figure(s); 5 Drawing Page(s)
LN.CNT 930
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Polyglycolate compounds are provided having the general structure: ##STR1## wherein n is an integer from 2 to about 10; R is C.sub.1-20 linear or branched alkyl, alkoxylated alkyl, cycloalkyl, aryl, alkylaryl, substituted aryl; R' and R" are independently H, C.sub.1-20 alkyl, aryl, C.sub.1-20 alkylaryl, substituted aryl, and NR.sub.3.sup.α+, wherein R.sup.α is C.sub.1-30 alkyl; and L is a leaving group displaceable in a peroxygen bleaching solution by perhydroxide anion. When this compound is combined with a source of

peroxygen in aqueous solution, then a plurality of stain removing peracids are formed. Such peracids are formed substantially sequentially beginning with the carbonyl adjacent to the leaving group L. Thus, a first stain removing peracid having the structure ##STR2## will be formed in amounts approaching quantitative yield.

L18 ANSWER 6 OF 7 USPATFULL on STN
AN 90:74922 USPATFULL
TI Glycolate ester peracid precursors
IN Fong, Ronald A., Modesto, CA, United States
Lewis, Sheldon N., Lafayette, CA, United States
Wiersema, Richard J., Tracy, CA, United States
Zielske, Alfred G., Pleasanton, CA, United States
PA The Clorox Company, Oakland, CA, United States (U.S. corporation)
PI US 4959187 19900925
AI US 1988-258226 19881014 (7)
RLI Division of Ser. No. US 1986-928070, filed on 6 Nov 1986, now patented, Pat. No. US 4778618
DT Utility
FS Granted
EXNAM Primary Examiner: Lone, Werren B.; Assistant Examiner: Clarke, Vera C.
LREP Hayashida, Joel J., Mazza, Michael J., Westbrook, Stephen M.
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1133
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention provides novel bleaching compositions comprising peracid precursors with the general structure ##STR1## with R, R', R" and L as defined in the specification. Novel peracids and precursors are also herein disclosed. These peracid precursors provide new, proficient and cost-effective compounds for fabric bleaching.

L18 ANSWER 7 OF 7 USPATFULL on STN
AN 88:67214 USPATFULL
TI Glycolate ester peracid precursors
IN Fong, Ronald A., Modesto, CA, United States
Lewis, Sheldon N., Lafayette, CA, United States
Wiersema, Richard J., Tracy, CA, United States
Zielske, Alfred G., Pleasonton, CA, United States
PA The Clorox Company, Oakland, CA, United States (U.S. corporation)
PI US 4778618 19881018
AI US 1986-928070 19861106 (6)
DT Utility
FS Granted
EXNAM Primary Examiner: Terapane, John F.; Assistant Examiner: Caress, Virginia B.
LREP Hayashida, Joel J., Mazza, Michael J., Westbrook, Stephen M.
CLMN Number of Claims: 24
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1206
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention provides novel bleaching compositions comprising peracid precursors with the general structure ##STR1## with R, R', R" and L as defined in the specification. Novel peracids and precursors are also herein disclosed. These peracid precursors provide new, proficient and cost-effective compounds for fabric bleaching.

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=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	400.40	935.05

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.21

STN INTERNATIONAL LOGOFF AT 10:40:35 ON 11 AUG 2004